

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Empno, Ename, MGR
2 FROM Emp;

EMPNO	ENAME	MGR
7839	KING	
7698	BLAKE	7839
7782	CLARK	7839
7566	JONES	7839
7654	MARTIN	7698
7499	ALLEN	7698
7844	TURNER	7698
7900	JAMES	7698
7521	WARD	7698
7902	FORD	7566
7369	SMITH	7902
7788	SCOTT	7566
7876	ADAMS	7788
7934	MILLER	7782

14 rows selected.

SQL> SELECT Empno, Ename, MGR
2 FROM Emp
3 START WITH Ename = 'KING'
4 CONNECT BY PRIOR Empno = MGR;

EMPNO	ENAME	MGR
7839	KING	
7566	JONES	7839
7788	SCOTT	7566
7876	ADAMS	7788
7902	FORD	7566
7369	SMITH	7902
7698	BLAKE	7839
7499	ALLEN	7698
7521	WARD	7698
7654	MARTIN	7698
7844	TURNER	7698
7900	JAMES	7698
7782	CLARK	7839
7934	MILLER	7782

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14 rows selected.

```
SQL> UPDATE Emp
  2  SET MGR = 7566
  3  WHERE Ename = 'KING';
```

1 row updated.

```
SQL> SELECT Empno, Ename, MGR
  2  FROM Emp;
```

EMPNO	ENAME	MGR
7839	KING	7566
7698	BLAKE	7839
7782	CLARK	7839
7566	JONES	7839
7654	MARTIN	7698
7499	ALLEN	7698
7844	TURNER	7698
7900	JAMES	7698
7521	WARD	7698
7902	FORD	7566
7369	SMITH	7902
7788	SCOTT	7566
7876	ADAMS	7788
7934	MILLER	7782

14 rows selected.

```
SQL> SELECT Empno, Ename, MGR
  2  FROM Emp
  3  START WITH Ename = 'KING'
  4  CONNECT BY PRIOR Empno = MGR;
ERROR:
ORA-01436: CONNECT BY loop in user data
```

no rows selected

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT Empno, Ename, MGR
2  FROM Emp
```

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```
3 START WITH Ename = 'KING'
4* CONNECT BY NOCYCLE PRIOR Empno = MGR
SQL> /
```

EMPNO	ENAME	MGR
7839	KING	7566
7566	JONES	7839
7788	SCOTT	7566
7876	ADAMS	7788
7902	FORD	7566
7369	SMITH	7902
7698	BLAKE	7839
7499	ALLEN	7698
7521	WARD	7698
7654	MARTIN	7698
7844	TURNER	7698
7900	JAMES	7698
7782	CLARK	7839
7934	MILLER	7782

14 rows selected.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> SELECT Empno, Ename, MGR
2 FROM Emp
3 START WITH Ename = 'KING'
4 CONNECT BY PRIOR Empno = MGR;
```

EMPNO	ENAME	MGR
7839	KING	
7566	JONES	7839
7788	SCOTT	7566
7876	ADAMS	7788
7902	FORD	7566
7369	SMITH	7902
7698	BLAKE	7839
7499	ALLEN	7698
7521	WARD	7698
7654	MARTIN	7698

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```
7844 TURNER          7698
7900 JAMES           7698
7782 CLARK           7839
7934 MILLER          7782
```

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Sal, HireDate
2  FROM Emp
3  START WITH Ename = 'KING'
4* CONNECT BY PRIOR Empno = MGR
SQL> /
```

EMPNO	ENAME	MGR	SAL	HIREDATE
7839	KING		5000	17-NOV-81
7566	JONES	7839	2975	02-APR-81
7788	SCOTT	7566	3000	09-DEC-82
7876	ADAMS	7788	1100	12-JAN-83
7902	FORD	7566	3000	03-DEC-81
7369	SMITH	7902	800	17-DEC-80
7698	BLAKE	7839	2850	01-MAY-81
7499	ALLEN	7698	1600	20-FEB-81
7521	WARD	7698	1250	22-FEB-81
7654	MARTIN	7698	1250	28-SEP-81
7844	TURNER	7698	1500	08-SEP-81
7900	JAMES	7698	950	03-DEC-81
7782	CLARK	7839	2450	09-JUN-81
7934	MILLER	7782	1300	23-JAN-82

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Sal, HireDate
2  FROM Emp
3  START WITH Ename = 'KING'
4  CONNECT BY PRIOR Empno = MGR
5* ORDER BY Sal
SQL> /
```

EMPNO	ENAME	MGR	SAL	HIREDATE
-------	-------	-----	-----	----------

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```
-----
7369 SMITH          7902          800 17-DEC-80
7900 JAMES          7698          950 03-DEC-81
7876 ADAMS          7788         1100 12-JAN-83
7654 MARTIN         7698         1250 28-SEP-81
7521 WARD           7698         1250 22-FEB-81
7934 MILLER         7782         1300 23-JAN-82
7844 TURNER         7698         1500 08-SEP-81
7499 ALLEN          7698         1600 20-FEB-81
7782 CLARK          7839         2450 09-JUN-81
7698 BLAKE          7839         2850 01-MAY-81
7566 JONES          7839         2975 02-APR-81
7788 SCOTT          7566         3000 09-DEC-82
7902 FORD           7566         3000 03-DEC-81
7839 KING           5000         5000 17-NOV-81
-----
```

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Sal, HireDate
2  FROM Emp
3  START WITH Ename = 'KING'
4  CONNECT BY PRIOR Empno = MGR
5* ORDER SIBLINGS BY Sal
SQL> /
```

```
-----
EMPNO ENAME          MGR          SAL HIREDATE
-----
7839 KING              5000 17-NOV-81
7782 CLARK             7839 09-JUN-81
7934 MILLER            7782 23-JAN-82
7698 BLAKE             7839 01-MAY-81
7900 JAMES             7698 03-DEC-81
7521 WARD              7698 22-FEB-81
7654 MARTIN            7698 28-SEP-81
7844 TURNER            7698 08-SEP-81
7499 ALLEN             7698 20-FEB-81
7566 JONES             7839 02-APR-81
7788 SCOTT             7566 09-DEC-82
7876 ADAMS            7788 12-JAN-83
7902 FORD              7566 03-DEC-81
7369 SMITH            7902 17-DEC-80
-----
```

14 rows selected.

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SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Sal, HireDate
2  FROM Emp
3  START WITH Ename = 'KING'
4  CONNECT BY PRIOR Empno = MGR
5* ORDER SIBLINGS BY HireDate
SQL> /
```

EMPNO	ENAME	MGR	SAL	HIREDATE
7839	KING		5000	17-NOV-81
7566	JONES	7839	2975	02-APR-81
7902	FORD	7566	3000	03-DEC-81
7369	SMITH	7902	800	17-DEC-80
7788	SCOTT	7566	3000	09-DEC-82
7876	ADAMS	7788	1100	12-JAN-83
7698	BLAKE	7839	2850	01-MAY-81
7499	ALLEN	7698	1600	20-FEB-81
7521	WARD	7698	1250	22-FEB-81
7844	TURNER	7698	1500	08-SEP-81
7654	MARTIN	7698	1250	28-SEP-81
7900	JAMES	7698	950	03-DEC-81
7782	CLARK	7839	2450	09-JUN-81
7934	MILLER	7782	1300	23-JAN-82

14 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Sal, HireDate
2  FROM Emp
3  START WITH Ename = 'KING'
4  CONNECT BY PRIOR Empno = MGR
5* ORDER SIBLINGS BY HireDate, Sal
SQL>
```

EMPNO	ENAME	MGR	SAL	HIREDATE
7839	KING		5000	17-NOV-81
7566	JONES	7839	2975	02-APR-81
7902	FORD	7566	3000	03-DEC-81
7369	SMITH	7902	800	17-DEC-80

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```
7788 SCOTT          7566          3000 09-DEC-82
7876 ADAMS          7788          1100 12-JAN-83
7698 BLAKE          7839          2850 01-MAY-81
7499 ALLEN          7698          1600 20-FEB-81
7521 WARD           7698          1250 22-FEB-81
7844 TURNER         7698          1500 08-SEP-81
7654 MARTIN         7698          1250 28-SEP-81
7900 JAMES          7698           950 03-DEC-81
7782 CLARK          7839          2450 09-JUN-81
7934 MILLER         7782          1300 23-JAN-82
```

14 rows selected.

SQL> cl scr

SQL> DESC Dept

Name	Null?
Type	
DEPTNO	NOT
NULL NUMBER(2)	
DNAME	
VARCHAR2(14)	
LOC	
VARCHAR2(13)	

SQL> DESC Emp

Name	Null?
Type	
EMPNO	NOT
NULL NUMBER(4)	
ENAME	
VARCHAR2(10)	
JOB	
VARCHAR2(9)	
MGR	
NUMBER(4)	
HIREDATE	
DATE	
SAL	
NUMBER(7,2)	
COMM	
NUMBER(7,2)	

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```
DEPTNO                                NOT
NULL NUMBER(2)

SQL> cl scr

SQL> SELECT SequenceName.NEXTVAL
2
SQL> SELECT SequenceName.CURRVAL
2
SQL> INSERT INTO TableName
2 VALUES (SequenceName.NEXTVAL
3
SQL> INSERT INTO TableName
2 VALUES (SequenceName.CURRVAL
3
SQL> UPDATE TableName
2 SET ColumnName = SequenceName.NEXTVAL
3
SQL> UPDATE TableName
2 SET ColumnName = SequenceName.CURRVAL
3
SQL> SELECT UserName.SequenceName.NEXTVAL
2
SQL> SELECT UserName.SequenceName.CURRVAL
2
SQL> SELECT UserName.SequenceName.NEXTVAL@ServerName
2
SQL> SELECT UserName.SequenceName.CURRVAL@ServerName
2
SQL> SELECT SequenceName01.NEXTVAL, SequenceName02.NEXTVAL
2
SQL> SPool OFF
```

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